

ABSTRACT

**ILLUMINATION SYSTEM FOR DISPLAYING IMAGES WITHOUT COLOR
BREAK-UP**

The invention relates to a system for displaying images comprising:

- a light source (1) emitting an illumination beam;
- a spatial light modulator (2) controlled by video control signals corresponding to a succession of image frames;
- a matrix filter (3) formed of a mosaic of elementary filters of various colors, illuminated by said illumination beam and transmitting a spatially filtered color beam to the spatial light modulator (2), an image of said filter being produced on an entrance face of the spatial light modulator;
- means of displacement for displacing the image of the filter (3) on the entrance face of the spatial light modulator (2) and
- a device (5) for controlling these means of displacement, making it possible to control at least one sequence of displacements of the image of the filter during each image frame.

Figure for the abstract: FIGURE 1